



Formula: C₁₀H₁₃N₅O₅

MW: 283.24

CAS: 118-00-3

MDL: MFCD00063740

TNP: TNP00503

VERNINE; 2(3H)-Imino-9-beta-D-ribofuranosyl-9H-purin-6(1H)-one;
2-Amino-1,9-dihydro-9beta-d-ribofuranosyl-6H-purin-6-one; 2-amino-inosin; 6H-Purin-6-one,
2-amino-1,9-dihydro-9-beta-d-ribofuranosyl-; 9-beta-d-ribofuranosyl-guanin;
beta-d-Ribofuranoside, guanine-



LogP: 1.98

LogS: -4.5

Acceptors: 5

Donors: 6

Rotation Bonds: 1

Chiral Centers: 4

N+O: 10

LIPINSKY: 3

IUPAC: 9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-2-aminohydropurin-6-one

Smiles: n1([C@H]2[C@@H]([C@H](O)[C@H](O2)CO)O)c2c(c(=O)[nH]c(n2)N)nc1

SOURCE: Constituent of nucleic acid. Isln from yeast nucleic acid, from plants

Specification: Pharmaceutical Intermediates; Purine; API intermediates; Nucleotides and Nucleosides; Biochemistry; Nucleosides and their analogs; Nucleosides, Nucleotides & Related Reagents; Nucleic acids; Bases & Related Reagents; Nucleotides

2-Amino-9-beta-D-ribofuranosyl-9H-purine-6-(1H)-one hydrate Chemical Properties:

mp 250 C (dec.)(lit.) alpha -62